Approved for use through 03/31/2007. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of info unless it contains a valid OMB control number.

bstitute for form 1449A/PTO

SEP 1 7 2007

Sheet

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use	as many	/ sheets	as n	ecessary)

Complete if Known					
Application Number	10/005,105				
Filing Date	December 3, 2001				
First Named Inventor	Paul C. KOCHER				
Art Unit	2132				
Examiner Name	Abdulhakim Nobahar				
Attorney Docket Number	44424162-8721				

	U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.¹	Document Number  Number-Kind Code <sup>2 (# known)</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Notices of Allowance mailed:		
/H.N./	8724	US 20010053220 A1	12-20-2001	Paul C. Kocher et al.	06-29-2004 08-24-2005 05-02-2006 11-29-2006 02-22-2007 06-28-2007		
/H.N./	8712	US 20030028771 A1	02-06-2003	Paul C. Kocher et al.	07-01-2004 12-22-2004 12-09-2005 05-03-2006		

كالمستحدد المستحدد المستحدد			
Examiner	/Abdulhakim Nobahar/	Date*	09/28/2007
Signature		Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unque citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file ( and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08a (09-06)

Approved for use through 03/31/2007. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of info unless it contains a valid OMB control number.

bstitute for form 1449A/PTO

Sheet

Signature

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary) of

Application Number	10/005,105
Filing Date	December 3, 2001
First Named Inventor	Paul C. KOCHER
Art Unit	2132
Examiner Name	Abdulhakim Nobahar
Attorney Docket Number	44424162-8721

Considered

Complete if Known

		U	J.S. P	ATENT DO	CUMENT	S		
Examiner Initials*	Cite No.1	Document Number Number-Kind Code <sup>2 (if known)</sup>	Publication Date MM-DD-YYYY		Name of Patentee or Applicant of Cited Document		Pages, Columns, Lines Where Relevant Passage Relevant Figures Appea	
/H.N./	AA	US-5,946,397	08	-31-1999	M'Raihi et al.			
/H.N./	1B	US-4,669,1·17	05-26-1987		Van Eck			
/H.N./	1C	US-4,932,057	06-05-1990 06-26-1990		Kolbert Crowther et al.			,
/H.N./	1D	US-4,937,866						
/H.N./	1E	US-5,068,894	11	-26-1991	Hoppe Malek			
/H.N./	1F	US-5,086,467	02	-04-1992				
/H.N./	1G	US-5,157,725	10	-20-1992	Lindholm	)		
/H.N./	1H	US-5,165,098	11	-17-1992	Holvik Saltwick et al.			
/H.N./	11	US-5,181,243	01	-19-1993				
/H.N./	1J	US-5,216,713	06-01-1993 09-28-1993		Lindholm Griffin, III et al.			
/H.N./	1K	US-5,249,294						
/H.N./	1L	US-5,477,039	12	-19-1995	Lisimaqu	ie et al.		
N		FC	REIGI	N PATENT D	OCUMEN	TS		
Examiner Initials*	Cite No.1	Foreign Patent Number Country Code <sup>3</sup> Number Kind Code <sup>3</sup> (if known)		Publication Date MM-DD-YYYY		lame of Patentee or cant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	٢
		·						
								L
Examir		/Abdulhakim Nobaha	ar/			Date	09/04/2007	
Signatu	ıre					Considered	03/04/2007	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unque citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file ( and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of info unless it contains a valid OMB control number.

Substitu	te for fo	orm 1449B/PTO	Complete if Known					
WEST 100 DIS 0 00177			Application Nu	Application Number 10/005,105				
I STATEMENT BY APPLICANT F		Filing Date		December 3, 2001 Paul C. KOCHER				
		First Named In	ventor F					
			Group Art Unit	2	2132			
	(	(use as many sheets as necessary)	Examiner Nam		Abdulhakim Nobahar			
Sheet	2	of 3	Attorney Dock		44424162-8721			
	<del></del>	OTHER ITEMS - NON PATI			rs .			
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAl item (book, magazine, journal, serial, syr	L LETTERS), title of t	he article (when a	appropriate), title of the	T <sup>2</sup>		
/H.N./	1V	GOUTAY, J., "Smart Card Applications in Security and Data Protection",  Advances in Cryptology - Eurocrypt '84; LNCS 209, Springer-Verlag,  Berlin, Germany; (1985) pp. 459-463.						
/H.N./	1W	GUILLOU, L.C. et al., "Smart Card, a Highly Reliable and Portable Security Device", Advances in Cryptology - CRYPTO '86; LNCS 263, Springer-Verlag, Berlin, Germany; (1987) pp. 464-479.						
./H.N./	1X	GUILLOU, L.C., "Smart Cards and Conditional Access", Advances in Cryptology - Eurocrypt '84; LNCS 209, Springer-Verlag, Berlin, Germany; (1985) pp. 480-489.						
/H.N./	1Y	GUTHERY, Scott, "Smart Cards", www.usenix.org/publications/login/1989-5/guthery.html; May, 1989.						
/H.N./	1Z	HIGHLAND, Harold Joseph, "The Tempest over Leaking Computers", <u>Abacus</u> , Vol. 5(2), Winter 1988, pp. 10-18, 53. http://cryptome.org/tempest-leak.htm						
/H.N./	2A	ISO/IEC 7816 International Standard, Geneva, CH: Part 1 Physical Characteristics (Ref. No. ISO/IEC 7816-1:1998(E)), Part 1 Amendment 1 Physical Characteristics (Ref. No. ISO/IEC 7816-1:1998/AMD.1:2003(E)), and Part 2 Dimensions and location of the contacts (Ref. No. ISO/IEC 7816-2:1999(E)).						
/H.N./	2B	KRIVACHY, T., "The Chipcard - An Identification Card with Cryptographic Protection", Advances in Cryptology - Eurocrypt '85; LNCS 219, Springer-Verlag, Berlin, Germany (1986) pp. 200-207.						
Examiner /Abdulhakim Nobahar/ Date 09/04/2007 Considered								

\*EXAMINER: Initial If reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unque citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. The Information is leaded to the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing,

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of info unless it contains a valid OMB control number. Complete if Known Substitute for form 1449B/PTO **Application Number** 10/005,105 INFORMATION DISCLOSURE December 3, 2001 Filing Date STATEMENT BY APPLICANT Paul C. KOCHER First Named Inventor 2132 Group Art Unit (use as many sheets as necessary) Abdulhakim Nobahar **Examiner Name** 3 of | 3 44424162-8721 Sheet Attorney Docket No. OTHER ITEMS - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the T2 Examiner item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), No.1 Initials\* publisher, city and/or country where published. 2C KUHN, Markus G. et al., "Soft Tempest: Hidden Data Transmission Using /H.N./ Electromagnetic Emanations", Information Hiding 1989, LNCS 1525, pp. 124-142, Portland, Oregon, April 15-17, 1998, found at http://www.cl.cam.ac.uk/~mgk25/h98-tempest.pdf MENEZES, A.J. et al., Handbook of Applied Cryptography, Chapters 1, 5 /H.N./ and 7; CRC Press, Boca Raton; Florida (1997). MEYER, Carl H. et al., Cryptography: A New Dimension in Computer Data 2E /H.N./ Security; Ch. 1; John Wiley & Sons, 1982. RANKL et al., Smart Card Handbook, John Wiley & Sons Ltd., 1997, Chs. /H.N./ 2, 3, 8, 13, and pages 84-89 (part of Chapter 4), Chichester, West Sussex, SCHMIDT, Dick, "Visions on Developments in Information Security", TNO 2G /H.N./ Conference, Delft, Netherlands, October 2-3, 1997. 2H SMULDERS, Peter, "The Threat of Information Theft by Reception of /H.N./ Electromagnetic Radiation from RS-232 Cables", Computers and Security, Vol. 9, pp. 53-58, 1990; Elsevier Science Publishers Ltd. 21 WAKERLY, John F., "Introduction to Computers and Programming", /H.N./ Chapter 1, pp. 1-16, Microcomputer Architecture and Programming: The 68000 Family, John Wiley & Sons, New York, N.Y. (1989) 2J Transcript of United States Air Force Audio Visual Presentation, "So You Think You're Secure", Aerospace Audio Visual Service; TF32-4599, 1972; /H.N./ Military Airlift Command; TF 6502. Date Examiner /Abdulhakim Nobahar/ 09/04/2007 Considered Signature

This collection of Information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unque citation designation number (optional). See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.